

ESTIMATE OF COST - PROPOSAL E
NEW WALLBOARD PLANT AT SEATTLE, WASH., ESTIMATE IS BASED ON USING
ALL NEW EQUIPMENT AND ELIMINATING ALL NON-ESSENTIAL ITEMS.
94,000,000 SQ. FT. EQUIVALENT 3/8" WALLBOARD PER YEAR
& 15,000 N.T. PLASTER PER YEAR

	<u>MACHINERY & EQUIPMENT</u>	<u>FIELD COST</u>	<u>TOTAL</u>
1. <u>DOCK & UNLOADING FACILITIES</u>	\$ 23,000	\$ 164,900	\$ 187,900
2. <u>RAW GYPSUM STORAGE & CRUSHING</u>	\$ 54,700	\$ 191,800	\$ 246,500
3. <u>CALCINING PLANT</u>			
(a) Building	1,500	157,000	
(b) Conveyor to Crusher	18,000	24,000	
(c) Pebble Gypsum Storage Bins	9,100	26,200	
(d) Raymond Mills	98,700	8,000	
(e) Kettle Feed Bins	1,100	9,200	
(f) Kettles	81,600	36,200	
(g) Bucket Elevators	13,500	23,700	
(h) Storage Bins		36,200	
(i) Marcy Tube Mill	24,900	6,100	
(j) Buhr Mill Eliminated	—	—	
(k) Mixer Feed Conveyors	4,700	1,400	
(l) Mixers, Baggers and Accessories	12,200	17,600	
(m) Equipment for Transfer from baggers to trucks and cars		38,800	
		<u>38,800</u>	
Sub-total Calcining Plant	\$ 265,300	\$ 384,400	\$ 649,700
4. <u>WALLBOARD PLANT</u>			
(a) Building	6,000	632,700	
(b) Storage Bins and Premix Area		62,800	
(c) Conveyor and Feeders	40,500	13,500	
(d) Liquid Ad-Mix System	500	9,600	
(e) Sawdust primary storage bin		14,800	
(f) Raw Gypsum Accelerator Prep	5,000	15,200	
(g) Miscellaneous Ad-Mix Equipment	3,800	3,800	
(h) Wallboard Equipment 294' long			
Wallboard Machinery complete	157,000		
Inverter	27,500		
Freight	4,800		
Use Tax 3-1/4%	5,900		
Belt, 2 - 100' Sections	10,000		
Wad Hopper		1,100	
Installation - 35% at cost of above item		<u>68,000</u>	
Sub-total Wallboard Equip.	\$ 205,200	\$ 69,100	

ESTIMATE OF COST - PROPOSAL E
(Cont'd.)

NOTE: (a) \$79,000 net expense to clear the wallboard plant property at Redwood City is not included in the above estimate.

(b) Item I (Dock & Loading Facilities) is based on modification of layout shown on drawing 108-L which modification would permit shortening the bulkhead from 560' to 455'. In the event such modification is not acceptable, the estimate must be increased \$30,000 to cover additional direct cost, engineering and contingency.

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(Cont 'd.)

	<u>MACHINERY & EQUIPMENT</u>	<u>FIELD COST</u>	<u>TOTAL</u>
4. <u>WALLBOARD PLANT (Cont 'd.)</u>			
(i) Drying Equipment - 8 deck 240' long	225,000		
Freight	30,000		
Motors	5,000		
Condensate Pumps	10,000		
Use Tax 3-1/4%	8,600		
Installation 20,000 man-hours		70,000	
Sub-Total Dryer	\$ 278,600	\$ 70,000	
(j) Finishing Equipment	48,500	8,500	
(k) Mobile Equipment	36,700		
(l) Miscellaneous - Pallets, Mechanical and Electrical Equip., Steel Work etc.		30,500	
Sub-Total Wallboard Plant	\$ 624,800	\$ 930,500	\$1,555,300
5. <u>PERLITE PLANT - ELIMINATED</u>	--	--	--
6. <u>UTILITIES</u>	\$ 65,000	\$ 233,300	\$ 298,300
7. <u>GENERAL PLANT BUILDINGS</u>	\$ 32,300	\$ 70,100	\$ 102,400
8. <u>YARD DEVELOPMENT</u>	\$ 2,900	\$ 104,000	\$ 106,900
9. <u>DISMANTLING REDWOOD CITY PLANT(not included)</u>	--	--	--
TOTAL DIRECT CONSTRUCTION COST	\$1,068,000	\$2,079,000	\$3,147,000
Construction Inspection and Management	70,000		
Engineering, Procurement and Supervision	363,000		
Sub-Total			433,000
Washington Sales and Use Tax			110,000
TOTAL COST BEFORE CONTINGENCY			\$3,690,000
Contingency			410,000
TOTAL ESTIMATED COST			\$4,100,000